

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A machine reaming tool, comprising:
a shaft (2); and
an exchangeable, single-piece interchangeable head (1), wherein the interchangeable head (1), in an axial direction and at each location, thus including the means for ~~exchange adaptation~~fastening the interchangeable head to the shaft, is thinner than a maximal thickness h_{\max} , wherein this maximal thickness h_{\max} in millimeters is computed from a diameter D1 of the interchangeable head in millimeters as $h_{\max} = 6\text{mm} + (1/10) \cdot (D1 - 12\text{mm})$,
wherein the interchangeable head (1), in a plane, shaft-side end-face (15) comprises a cutout (50) designed as a connection element, for the centering fastening of the interchangeable head (1) on the shaft (2),
wherein the shaft (2) on an end-side plane surface (25) comprises a connection lug (21) projecting from said plane surface (25) in the axial direction, said lug corresponding to the cutout (50) of the interchangeable head (1),
wherein the interchangeable head (1), at least in places, compresses the connection lug (21) of the shaft (2) when pressing the interchangeable head (1) against the shaft (2) in the axial direction,
wherein on the interchangeable head (1), the cutout (50) formed as a

connection element forms an axially central conical socket (11) for centering the interchangeable head (1) on the shaft (2), and the connection lug is a corresponding conical projection (21) on the shaft (2), and

wherein the interchangeable head (1) does not comprise an axially projecting lug for fastening the interchangeable head to the shaft.

2. – 27. (Cancelled)

28. (Currently Amended) A shaft (2) for a machine reaming tool, comprising:
an essentially rotationally symmetrical shaft with an end-face plane surface (25),

wherein the shaft (2) comprises a connection lug (21) projecting out of the plane surface (25), for assembly of an attachable interchangeable head (1), and wherein the connection lug is a conical projection (21) projecting from an end-side plane surface (25) of the shaft (20) in the axial direction by less than 4 mm.

29. – 34. (Cancelled)

35. (Previously Presented) The machine reaming tool according to claim 1, wherein a cutout, on the end-face of the interchangeable head which is distant to the shaft, forms a cutout for a screw head, such that the screw head may be sunk in the interchangeable head.

36. (Currently Amended) An interchangeable cutting head for a machine reaming

tool, said interchangeable head being formed as one piece, ~~characterized in that~~wherein the interchangeable head (1) in the axial direction and at each location, thus including the means for ~~exchange-adaptation~~fastening the interchangeable head to a shaft, is thinner than a maximal thickness h_{\max} , wherein this maximal thickness h_{\max} in millimeters is computed from a diameter D1 of the interchangeable head in millimeters as $h_{\max} = 6\text{mm} + (1/10) \cdot (D1 - 12\text{mm})$, that the interchangeable head (1) in a plane, shaft-side end-face (15) comprises a cutout (50) designed as a connection element, for the centering fastening of the ~~exchange~~interchangeable head (1) on a shaft (2), that the cutout (50) forms an axially central conical socket (11) and that the interchangeable head (1) does not comprise an axially projecting lug for fastening the interchangeable head to a shaft~~exchange-adaptation~~.

37. (Previously Presented) The interchangeable cutting head according to claim 36, wherein a cutout, on the end-face of the interchangeable head which is distant to the shaft, forms a cutout for a screw head, such that the screw head may be sunk in the interchangeable head.

38. (Currently Amended) The shaft (2) according to claim ~~29~~28, wherein the conical projection (21) projects from the end-side plane surface (25) of the shaft (2) in the axial direction by less ~~than~~than 2 mm.

39. (Currently Amended) The shaft (2) according to claim ~~29~~28, wherein the connection lug (21) of the shaft is compressible at least in places by an interchangeable head (1) mounted on the shaft.

40. (Previously Presented) The shaft according to claim 28, further comprising several bores for receiving screws for fastening an interchangeable head, the bores being arranged around the connecting lug, the axial directions of the bores running in parallel to the axial direction of the shaft.

41. (New) An interchangeable head (1) according to claim 36, wherein the interchangeable head (1) in the axial direction has a thickness of maximally 6 mm.

42. (New) An interchangeable head (1) according to claim 36 wherein the interchangeable head (1) is manufactured of a material manufactured by sintering.

43. (New) The interchangeable head of claim 42, wherein the material comprises one of the group of: hard metal, cermet, ceramic or CBN (cubic boron nitride).

44. (New) An interchangeable head (1) according to claim 36 wherein the interchangeable head (1) comprises several continuous bores in the axial direction, each with a recess (14) for accommodating a screw head.